QUALIFICATIONS:
• Miami-Dade County NOA No. : 18-0117.14
• Florida Product Approval No. : 28078.2
• Tested in accordance with: TAS-100A (Wind-Driven Rain Test), TAS-201 (Large Missile Impact Test), TAS-202 (Uniform Static Air Pressure Test), TAS-203 (Cyclic Wind Pressure Loading Test).
• AMCA 500-L (Wind-Driven Rain, Water Penetration, Airflow).
• AMCA 540 (Wind-Borne Debris Impact Test [Enhanced "Level E" Protection]).
• AMCA 550 (High Velocity Wind-Driven Rain Resistance Test).
• Wind load rating +/- 130 PSF.

STANDARD CONSTRUCTION:
FRAME: 5" (127) deep, Type 6063-T6 extruded aluminum, .080" (2.03) nominal wall thickness. Integral downspouts and caulking slot provided.
BLADES: Type 6063-T6 extruded aluminum, .060" (1.52) nominal wall thickness, with reinforcing bosses.
BLADE ANGLE: Fixed at 45 degrees.
BLADE SPACING: Approximately 1 1/2" (38) on centers.
BLADE SUPPORT: 2.5" (64) strap every 60" (1524) or less in height.
SCREEN: 5/8" x .050 (16 x 1.3) expanded, flattened aluminum bird screen in removable frame, inside (rear) mount (adds approximately 3/8" [10] to louver depth).
FINISH: Mill.
MINIMUM SIZE: 12" W x 12" H (305 x 305).
MAX. SINGLE: 72" W x 120" H (1829 x 3048)
SECTION SIZE: or 120" W x 72" H (3048 x 1829).
63 sq. ft. (5.9 m²). Larger louvers will require field assembly of smaller sections.
OA MAX. SIZE: Unlimited Width x 120" H (3048).
APPROXIMATE SHIPPING WEIGHT: 5 lbs. per ft² (24.4 Kg per m²).

OPTIONS:
- BSSS Type 304 S.S. Bird Screen.
- BSN No Bird Screen.
- ISA Aluminum Insect Screen.
- ISSS Type 304 S.S. Insect Screen.
- ESI Extended Sill.
- PASI Sill Pan.
- Other: ________________.

OPTIONAL FINISHES:
- PC3 Powder Coat AAMA 2603. Color: ____.
- PC4 High Performance Powder Coat AAMA 2604 (Equivalent to 50% Kynar®). Color: ____.
- PC5 Fluoropolymer Powder Coat AAMA 2605 (Equivalent to 70% Kynar®). Color: ____.
- PCC Prime Coat.
- AN04 Clear Anodized 204-R1.
- AN15 Clear Anodized 215-R1.
- ANLB Light Bronze.
- ANMB Medium Bronze.
- ANDB Dark Bronze.
- ANBK Black.

For Installation Instructions, see IOM-LOUVERINSTFPA.

Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

Page 1 of 3
Dimensions are in inches (mm).

1605WDVM October, 2018
EXTRUDED ALUMINUM STATIONARY LOUVER
MIAMI-DADE QUALIFIED • FLORIDA PRODUCT APPROVED
HIGH VELOCITY WIND-DRIVEN RAIN RESISTANT
5" (127) DEEP • VERTICAL BLADE • PERFORMANCE DATA
MODEL: 1605WDVM

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EXHAUST
INTAKE

SCHEDULE TYPE:

PROJECT:

ENGINEER:

CONTRACTOR:

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Nailor Industries Inc. certifies the Model 1605WDVM shown herein is approved to bear the AMCA Listing Label. The ratings shown are based on tests and procedures performed in accordance with AMCA publications and comply with the requirements of the AMCA Listing Label Program. The AMCA Listing Label applies to Wind Borne Debris Impact Resistant Louvers. The AMCA Listing Label applies to High Velocity Wind Driven Rain Resistant Louvers.

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### WIND DRIVEN RAIN PERFORMANCE

<table>
<thead>
<tr>
<th>Core Ventilation</th>
<th>Rate in fpm (m/s)</th>
<th>0.00 (0.00)</th>
<th>0.56 (1.70)</th>
<th>1.02 (3.10)</th>
<th>1.48 (4.57)</th>
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</thead>
<tbody>
<tr>
<td>Free Area Ventilation</td>
<td>Rate in fpm (m/s)</td>
<td>0.00 (0.00)</td>
<td>0.56 (1.70)</td>
<td>1.02 (3.10)</td>
<td>1.48 (4.57)</td>
</tr>
<tr>
<td>Effective Ratio (%)</td>
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<td>100</td>
<td>100</td>
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<tr>
<td>Penetration Class</td>
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<td>A</td>
<td>A</td>
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</tbody>
</table>

Test was based on a 39.375" x 39.375" (1.0 m x 1.0 m) core area louver tested at a rainfall rate of 8" per hour (203 mm/hour) with a wind velocity of 50 mph (22 m/s).

DISCHARGE LOSS COEFFICIENT CLASS (INTAKE): 2. Discharge Loss Coefficient Classification is as follows: 1=0.4 and above, 2=0.3 to 0.399, 3=0.2 to 0.299, 4=0.199 and below.

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### AIRFLOW/ WATER PENETRATION DATA

for 48" x 48" (1219 x 1219) Louver Size

| Free Area % | 55% |
| Free Area sq. ft. (sq. m.) | 8.77 (0.81) |
| Free Area Velocity at Point of Beginning Water Penetration at .01 oz./sq. ft. (3 ml/sq. m) (15 min. test duration) | 1250 fpm (381 m/min.)* |
| Air Volume at 1250 fpm | 10,963 cfm (5174 l/s) |
| Pressure Drop @ 1000 fpm | 0.18 in. w.g. (45 Pa) |

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**NOTE:** To minimize water penetration when sizing intake louvers, select a Free Area Velocity that is below the beginning point of water penetration.* Maximum Free Area Velocity tested is 1250 fpm. Beginning point of water penetration for this model is above 1250 fpm.

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### PRESSURE DROP

![Pressure Drop Graph](image)

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**Air Velocity in Feet (Meters) Per Minute Through Free Area**

Louver test size: 48" x 48" (1219 x 1219 mm).

Standard air density @ 0.075 lbs/ft³.

Tested to AMCA Fig. 5.5 – 6.5.

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Nailor Industries Inc. certifies the Model 1605WDVM shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 511 and comply with the requirements of the AMCA Certified Ratings Program. Seal applies to air performance, water penetration and wind driven rain performance ratings.

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**SCHEDULE TYPE:**

**PROJECT:**

**ENGINEER:**

**CONTRACTOR:**

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Nailor Industries Inc. reserves the right to change any information concerning product or pricing without notice.

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**Page 2 of 3**

Dimensions are in inches (mm).
### FREE AREA in Square Feet and Square Meters

<table>
<thead>
<tr>
<th>Width in Inches and Meters</th>
<th>Height in Inches and Meters</th>
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Dimensions are in inches (mm).